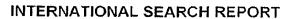


INTERNATIONAL SEARCH REPORT

International application No-PCT/NO 03/00283

A. CLASSIFICATION OF SUBJECT MATTER						
IPC7: F16L 19/02, F16L 55/00, B25B 27/1 According to International Patent Classification (IPC) or to both a	6, E21B 17/02 national classification and IPC					
B. FIELDS SEARCHED						
Minimum documentation searched (classification system followed l	by classification symbols)					
IPC7: F16L, E21B, B25B	no ortant that much documents are included	in the folder constant				
Documentation searched other than minimum documentation to the SE,DK,FI,NO classes as above	se exerte mur prett documents als incinded	m ais neine esacueo				
Electronic data base consulted during the international search (nam	ne of data base and, where practicable, searc	th terms used)				
EPO-INTERNAL, WPI DATA, PAJ						
C. DOCUMENTS CONSIDERED TO BE RELEVANT	·					
Category Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.				
X US 4012059 A (LUKE ET AL), 15 M (15.03.77), figure 1, detai	arch 1977 ls 24,27,45,47,50,53	1-6				
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Y US 3353847 A (C.C. BROWN), 21 N (21.11.67)	ovember 1967	7-9				
Y GB 707988 A (ERIC COOKSON), 28 (28.04.54)	April 1954	7-8				
X US 4153281 A (AHLSTONE), 8 May figures 1,6, details 1-4,21	1979 (08.05.79), ,37,39,T	1,6				
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X Further documents are listed in the continuation of Box	x C X See patent family annex					
* Special eategories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention						
"E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is	"X" document of particular relevance: the claimed invention cannot be considered novel or carnot be considered to involve an inventive					
died to establish the publication date of another citation or other special reason (as specified) O" document referring to an oral disclosure, use, exhibition or other	"Y" document of particular relevances the considered to involve an inventive step	claimed invention cannot be				
P document published prior to the international filing date but later than the priority date claimed	being obvious to a person Called in the	documents, such combination art				
Date of the actual completion of the international search		document member of the same patent family f mailing of the international search report				
	Date of mailing of the international s	2003				
22 October 2003 Name and mailing address of the ISA/	Authorized off					
Swedish Patent Office	Authorized officer	1				
Box 5055, S-102 42 STOCKHOLM	Malin Hallmén / JA A					
Facsimile No. +46 8 666 02 86	Telephone No. +46 8 782 25 00					

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Information on patent family members

06/09/03

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